

SEQUENCE LISTING

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<120> INTERFERON-ALPHA INDUCED GENE

<130> 046658/298641

<160> 2

<170> PatentIn version 3.1

<210> 1
<211> 6045
<212> DNA
<213> Homo sapiens

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<221> CDS
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 <211> 1712
 <212> PRT
 <213> Homo sapiens

<400> 2

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		20						25					30			
Phe	Val	Glu	Ser	Glu	Phe	Phe	Leu	Ile	Asp	Gly	Asp	Ser	Leu	Leu	Ile	
		35					40					45				
Thr	Cys	Ile	Cys	Glu	Ile	Ser	Phe	Lys	Pro	Gly	Gln	Asn	Leu	His	Phe	
	50					55					60					
Phe	Tyr	Leu	Val	Glu	Arg	Tyr	Leu	Val	Asp	Leu	Ile	Ser	Lys	Gly	Gly	
65				70					75					80		
Gln	Phe	Thr	Ile	Val	Phe	Phe	Lys	Asp	Ala	Glu	Tyr	Ala	Tyr	Phe	Asn	
			85						90					95		
Phe	Pro	Glu	Leu	Leu	Ser	Leu	Arg	Thr	Ala	Leu	Ile	Leu	His	Leu	Gln	

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Lys	Asn	Thr	Thr	Ile	Asp	Val	Arg	Thr	Thr	Phe	Ser	Arg	Cys	Leu	Ser
	115						120					125			
Lys	Glu	Trp	Gly	Ser	Phe	Leu	Glu	Glu	Ser	Tyr	Pro	Tyr	Phe	Leu	Ile
	130					135					140				
Val	Ala	Asp	Glu	Gly	Leu	Asn	Asp	Leu	Gln	Thr	Gln	Leu	Phe	Asn	Phe
145						150					155				160
Leu	Ile	Ile	His	Ser	Trp	Ala	Arg	Lys	Val	Asn	Val	Val	Leu	Ser	Ser
				165					170					175	
Gly	Gln	Glu	Ser	Asp	Val	Leu	Cys	Leu	Tyr	Ala	Tyr	Leu	Leu	Pro	Ser
			180					185					190		
Met	Tyr	Arg	His	Gln	Ile	Phe	Ser	Trp	Lys	Asn	Lys	Gln	Asn	Ile	Lys
		195					200					205			
Asp	Ala	Tyr	Thr	Thr	Leu	Leu	Asn	Gln	Leu	Glu	Arg	Phe	Lys	Leu	Ser
	210					215					220				
Ala	Leu	Ala	Pro	Leu	Phe	Gly	Ser	Leu	Lys	Trp	Asn	Asn	Ile	Thr	Glu
225						230					235				240
Glu	Ala	His	Lys	Thr	Val	Ser	Leu	Leu	Thr	Gln	Val	Trp	Pro	Glu	Gly
				245					250					255	
Ser	Asp	Ile	Arg	Arg	Val	Phe	Cys	Val	Thr	Ser	Cys	Ser	Leu	Ser	Leu
		260					265						270		
Arg	Met	Tyr	His	Arg	Phe	Leu	Gly	Asn	Arg	Glu	Pro	Ser	Ser	Gly	Gln
		275					280					285			
Glu	Thr	Glu	Ile	Gln	Gln	Val	Asn	Ser	Asn	Cys	Leu	Thr	Leu	Gln	Glu
	290					295					300				
Met	Glu	Asp	Leu	Cys	Lys	Leu	His	Cys	Leu	Thr	Val	Val	Phe	Leu	Leu
305						310					315				320
His	Leu	Pro	Leu	Ser	Gln	Arg	Ala	Cys	Ala	Arg	Val	Ile	Thr	Ser	His
				325					330				335		
Trp	Ala	Glu	Asp	Met	Lys	Pro	Leu	Leu	Gln	Met	Lys	Lys	Trp	Cys	Glu
			340					345					350		
Tyr	Phe	Ile	Leu	Arg	Asn	Ile	His	Thr	Phe	Glu	Phe	Trp	Asn	Leu	Asn
		355					360					365			
Leu	Ile	His	Leu	Ser	Asp	Leu	Asn	Asp	Glu	Leu	Leu	Leu	Lys	Asn	Ile
	370					375					380				
Ala	Phe	Tyr	Tyr	Glu	Asn	Glu	Asn	Val	Lys	Gly	Leu	His	Leu	Asn	Leu
385						390					395				400
Gly	Asp	Thr	Ile	Met	Lys	Asp	Tyr	Glu	Tyr	Leu	Trp	Asn	Thr	Val	Ser

				405						410					415
Lys	Leu	Val	Arg	Asp	Phe	Glu	Val	Gly	Gln	Pro	Phe	Pro	Leu	Arg	Thr
			420					425					430		
Thr	Lys	Val	Cys	Phe	Leu	Gly	Lys	Lys	Pro	Ser	Pro	Ile	Lys	Asp	Ser
		435					440					445			
Ser	Asn	Glu	Met	Val	Pro	Asn	Leu	Gly	Phe	Ile	Pro	Thr	Ser	Ser	Phe
		450				455					460				
Val	Val	Asp	Lys	Phe	Ala	Gly	Asp	Ile	Leu	Lys	Asp	Leu	Pro	Phe	Leu
465					470					475					480
Lys	Ser	Asp	Asp	Pro	Ile	Val	Thr	Ser	Leu	Val	Lys	Gln	Lys	Glu	Phe
				485					490					495	
Asp	Glu	Leu	Val	His	Trp	His	Ser	His	Lys	Pro	Leu	Ser	Asp	Asp	Tyr
			500					505					510		
Asp	Arg	Ser	Arg	Cys	Gln	Phe	Asp	Glu	Lys	Ser	Arg	Asp	Pro	Arg	Val
		515					520					525			
Leu	Arg	Ser	Val	Gln	Lys	Tyr	His	Val	Phe	Gln	Arg	Phe	Tyr	Gly	Asn
	530					535					540				
Ser	Leu	Glu	Thr	Val	Ser	Ser	Lys	Ile	Ile	Val	Thr	Gln	Thr	Ile	Lys
545					550					555				560	
Ser	Lys	Lys	Asp	Phe	Ser	Gly	Pro	Lys	Ser	Lys	Lys	Ala	His	Glu	Thr
			565						570					575	
Lys	Ala	Glu	Ile	Ile	Ala	Arg	Glu	Asn	Lys	Lys	Arg	Leu	Phe	Ala	Arg
			580					585					590		
Glu	Glu	Gln	Lys	Glu	Glu	Gln	Lys	Trp	Asn	Ala	Leu	Ser	Phe	Ser	Ile
		595					600					605			
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	610					615					620				
Asp	Phe	Leu	Lys	Ser	Cys	Lys	Ser	Ser	Cys	Val	Lys	Leu	Gln	Val	Glu
625					630					635					640
Met	Val	Gly	Leu	Thr	Ala	Cys	Leu	Lys	Ala	Trp	Lys	Glu	His	Cys	Arg
				645					650					655	
Ser	Glu	Glu	Gly	Lys	Thr	Thr	Lys	Asp	Leu	Ser	Ile	Ala	Val	Gln	Val
			660					665					670		
Met	Lys	Arg	Ile	His	Ser	Leu	Met	Glu	Lys	Tyr	Ser	Glu	Leu	Leu	Gln
		675					680					685			
Glu	Asp	Asp	Arg	Gln	Leu	Ile	Ala	Arg	Cys	Leu	Lys	Tyr	Leu	Gly	Phe
	690					695					700				
Asp	Glu	Leu	Ala	Ser	Ser	Leu	His	Pro	Ala	Gln	Asp	Ala	Glu	Asn	Asp

705		710		715		720
Val Lys Val Lys Lys Arg Asn Lys Tyr Ser Ile Gly Ile Gly Pro Ala						
		725		730		735
Arg Phe Gln Leu Gln Tyr Met Gly His Tyr Leu Ile Arg Asp Glu Arg						
		740		745		750
Lys Asp Pro Asp Pro Arg Val Gln Asp Phe Ile Pro Asp Thr Trp Gln						
		755		760		765
Arg Glu Leu Leu Asp Val Val Asp Lys Asn Glu Ser Ala Val Ile Val						
		770		775		780
Ala Pro Thr Ser Ser Gly Lys Thr Tyr Ala Ser Tyr Tyr Cys Met Glu						
		785		790		800
Lys Val Leu Lys Glu Ser Asp Asp Gly Val Val Val Tyr Val Ala Pro						
		805		810		815
Thr Lys Ala Leu Val Asn Gln Val Ala Ala Thr Val Gln Asn Arg Phe						
		820		825		830
Thr Lys Asn Leu Pro Ser Gly Glu Val Leu Cys Gly Val Phe Thr Arg						
		835		840		845
Glu Tyr Arg His Asp Ala Leu Asn Cys Gln Val Leu Ile Thr Val Pro						
		850		855		860
Ala Cys Phe Glu Ile Leu Leu Leu Ala Pro His Arg Gln Asn Trp Val						
		865		870		875
Lys Lys Ile Arg Tyr Val Ile Phe Asp Glu Val His Cys Leu Gly Gly						
		885		890		895
Glu Ile Gly Ala Glu Ile Trp Glu His Leu Leu Val Met Ile Arg Cys						
		900		905		910
Pro Phe Leu Ala Leu Ser Ala Thr Ile Ser Asn Pro Glu His Leu Thr						
		915		920		925
Glu Trp Leu Gln Ser Val Lys Trp Tyr Trp Lys Gln Glu Asp Lys Ile						
		930		935		940
Ile Glu Asn Asn Thr Ala Ser Lys Arg His Val Gly Arg Gln Ala Gly						
		945		950		955
Phe Pro Lys Asp Tyr Leu Gln Val Lys Gln Ser Tyr Lys Val Arg Leu						
		965		970		975
Val Leu Tyr Gly Glu Arg Tyr Asn Asp Leu Glu Lys His Val Cys Ser						
		980		985		990
Ile Lys His Gly Asp Ile His Phe Asp His Phe His Pro Cys Ala Ala						
		995		1000		1005

Leu	Thr	Thr	Asp	His	Ile	Glu	Arg	Tyr	Gly	Phe	Pro	Pro	Asp	Leu
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Thr	Leu	Ser	Pro	Arg	Glu	Ser	Ile	Gln	Leu	Tyr	Asp	Ala	Met	Phe
1025						1030					1035			
Gln	Ile	Trp	Lys	Ser	Trp	Pro	Arg	Ala	Gln	Glu	Leu	Cys	Pro	Glu
1040						1045					1050			
Asn	Phe	Ile	His	Phe	Asn	Asn	Lys	Leu	Val	Ile	Lys	Lys	Met	Asp
1055						1060					1065			
Ala	Arg	Lys	Tyr	Glu	Glu	Ser	Leu	Lys	Ala	Glu	Leu	Thr	Ser	Trp
1070						1075					1080			
Ile	Lys	Asn	Gly	Asn	Val	Glu	Gln	Ala	Arg	Met	Val	Leu	Gln	Asn
1085						1090					1095			
Leu	Ser	Pro	Glu	Ala	Asp	Leu	Ser	Pro	Glu	Asn	Met	Ile	Thr	Met
1100						1105					1110			
Phe	Pro	Leu	Leu	Val	Glu	Lys	Leu	Arg	Lys	Met	Glu	Lys	Leu	Pro
1115						1120					1125			
Ala	Leu	Phe	Phe	Leu	Phe	Lys	Leu	Gly	Ala	Val	Glu	Asn	Ala	Ala
1130						1135					1140			
Glu	Ser	Val	Ser	Thr	Phe	Leu	Lys	Lys	Lys	Gln	Glu	Thr	Lys	Arg
1145						1150					1155			
Pro	Pro	Lys	Ala	Asp	Lys	Glu	Ala	His	Val	Met	Ala	Asn	Lys	Leu
1160						1165					1170			
Arg	Lys	Val	Lys	Lys	Ser	Ile	Glu	Lys	Gln	Lys	Ile	Ile	Asp	Glu
1175						1180					1185			
Lys	Ser	Gln	Lys	Lys	Thr	Arg	Asn	Val	Asp	Gln	Ser	Leu	Ile	His
1190						1195					1200			
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1205						1210					1215			
Glu	Ile	Pro	Gln	Asp	Cys	Thr	Tyr	Ala	Asp	Gln	Lys	Ala	Val	Asp
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Thr	Glu	Thr	Leu	Gln	Lys	Val	Phe	Gly	Arg	Val	Lys	Phe	Glu	Arg
1235						1240					1245			
Lys	Gly	Glu	Glu	Leu	Lys	Ala	Leu	Ala	Glu	Arg	Gly	Ile	Gly	Tyr
1250						1255					1260			
His	His	Ser	Ala	Met	Ser	Phe	Lys	Glu	Lys	Gln	Leu	Val	Glu	Ile
1265						1270					1275			
Leu	Phe	Arg	Lys	Gly	Tyr	Leu	Arg	Val	Val	Thr	Ala	Thr	Gly	Thr
1280						1285					1290			

Leu Ala	Leu Gly Val	Asn Met	Pro Cys Lys Ser	Val	Val Phe Ala
1295		1300		1305	
Gln Asn	Ser Val Tyr Leu	Asp	Ala Leu Asn Tyr	Arg	Gln Met Ser
1310		1315		1320	
Gly Arg	Ala Gly Arg Arg	Gly	Gln Asp Leu Met	Gly	Asp Val Tyr
1325		1330		1335	
Phe Phe	Asp Ile Pro Phe	Pro	Lys Ile Gly Lys	Leu	Ile Lys Ser
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Asn Val	Pro Glu Leu Arg	Gly	His Phe Pro Leu	Ser	Ile Thr Leu
1355		1360		1365	
Val Leu	Arg Leu Met Leu	Leu	Ala Ser Lys Gly	Asp	Asp Pro Glu
1370		1375		1380	
Asp Thr	Lys Ala Lys Val	Leu	Ser Val Leu Lys	His	Ser Leu Leu
1385		1390		1395	
Ser Phe	Lys Gln Pro Arg	Val	Met Asp Met Leu	Lys	Leu Tyr Phe
1400		1405		1410	
Leu Phe	Ser Leu Gln Phe	Leu	Val Lys Glu Gly	Tyr	Leu Asp Gln
1415		1420		1425	
Glu Gly	Asn Pro Met Gly	Phe	Ala Gly Leu Val	Ser	His Leu His
1430		1435		1440	
Tyr His	Glu Pro Ser Asn	Leu	Val Phe Val Ser	Phe	Leu Val Asn
1445		1450		1455	
Gly Leu	Phe His Asp Leu	Cys	Gln Pro Thr Arg	Lys	Gly Ser Lys
1460		1465		1470	
His Phe	Ser Gln Asp Val	Met	Glu Lys Leu Val	Leu	Val Leu Ala
1475		1480		1485	
His Leu	Phe Gly Arg Arg	Tyr	Phe Pro Pro Lys	Phe	Gln Asp Ala
1490		1495		1500	
His Phe	Glu Phe Tyr Gln	Ser	Lys Val Phe Leu	Asp	Asp Leu Pro
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Glu Asp	Phe Ser Asp Ala	Leu	Asp Glu Tyr Asn	Met	Lys Ile Met
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Glu Asp	Phe Thr Thr Phe	Leu	Arg Ile Val Ser	Lys	Leu Ala Asp
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Met Asn	Gln Glu Tyr Gln	Leu	Pro Leu Ser Lys	Ile	Lys Phe Thr
1550		1555		1560	
Gly Lys	Glu Cys Glu Asp	Ser	Gln Leu Val Ser	His	Leu Met Ser
1565		1570		1575	

Cys	Lys	Glu	Gly	Arg	Val	Ala	Ile	Ser	Pro	Phe	Val	Cys	Leu	Ser
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Gly	Asn	Phe	Asp	Asp	Asp	Leu	Leu	Arg	Leu	Glu	Thr	Pro	Asn	His
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Val	Thr	Leu	Gly	Thr	Ile	Gly	Val	Asn	Arg	Ser	Gln	Ala	Pro	Val
1610						1615					1620			
Leu	Leu	Ser	Gln	Lys	Phe	Asp	Asn	Arg	Gly	Arg	Lys	Met	Ser	Leu
1625						1630					1635			
Asn	Ala	Tyr	Ala	Leu	Asp	Phe	Tyr	Lys	His	Gly	Ser	Leu	Ile	Gly
1640						1645					1650			
Leu	Val	Gln	Asp	Asn	Arg	Met	Asn	Glu	Gly	Asp	Ala	Tyr	Tyr	Leu
1655						1660					1665			
Leu	Lys	Asp	Phe	Ala	Leu	Thr	Ile	Lys	Ser	Ile	Ser	Val	Ser	Leu
1670						1675					1680			
Arg	Glu	Leu	Cys	Glu	Asn	Glu	Asp	Asp	Asn	Val	Val	Leu	Ala	Phe
1685						1690					1695			
Glu	Gln	Leu	Ser	Thr	Thr	Phe	Trp	Glu	Lys	Leu	Asn	Lys	Val	
1700						1705					1710			